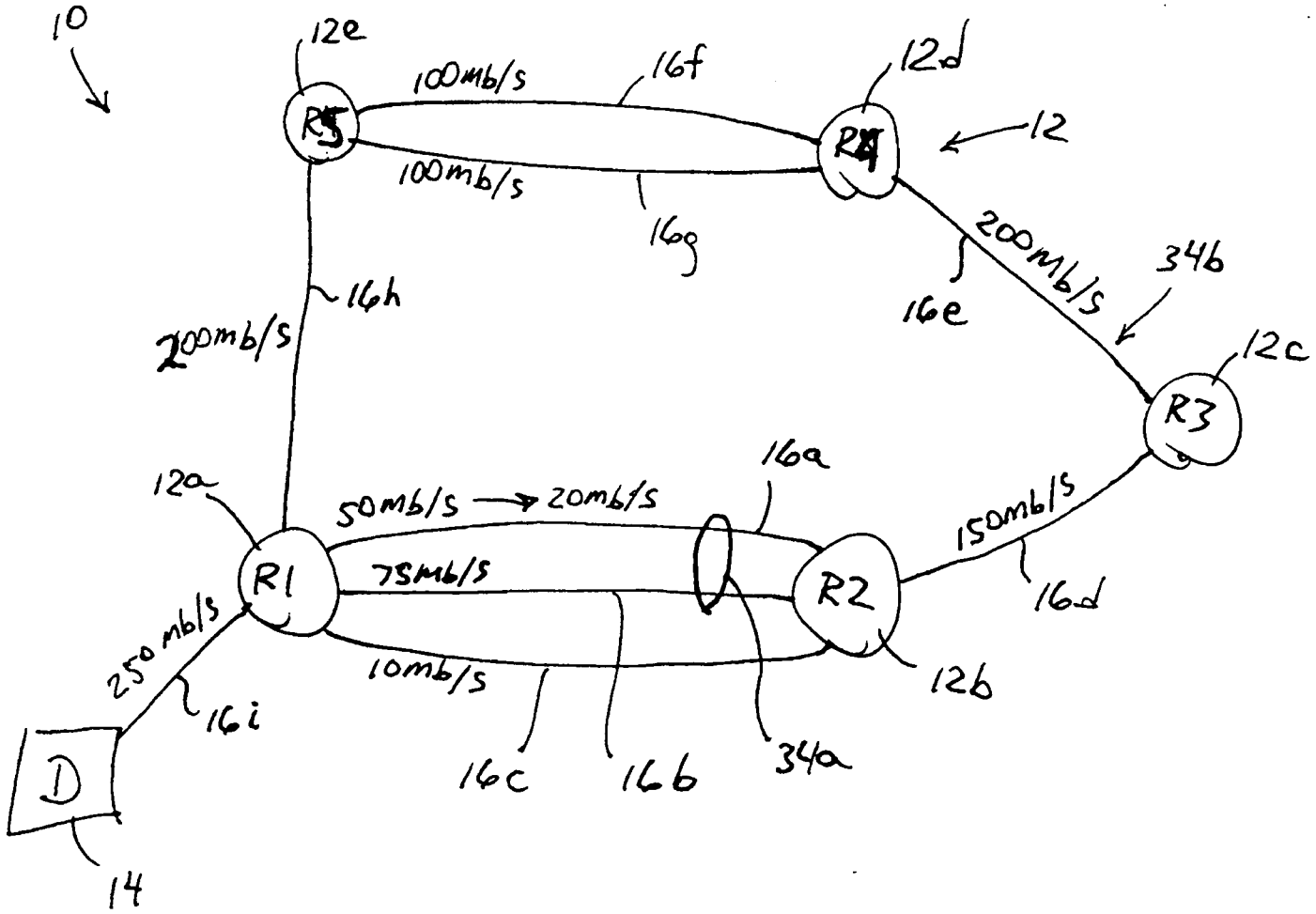
10
12e
100mb/s
16f
12d
R5
R4
12
100mb/s
16g
200mb/s
34b
16e
16h
200mb/s
12c
R3
16a
12a
50mb/s → 20mb/s
150mb/s
R1
75mb/s
R2
16d
250mb/s
16i
10mb/s
12b
D
16c
16b
34a
14

Figure 1

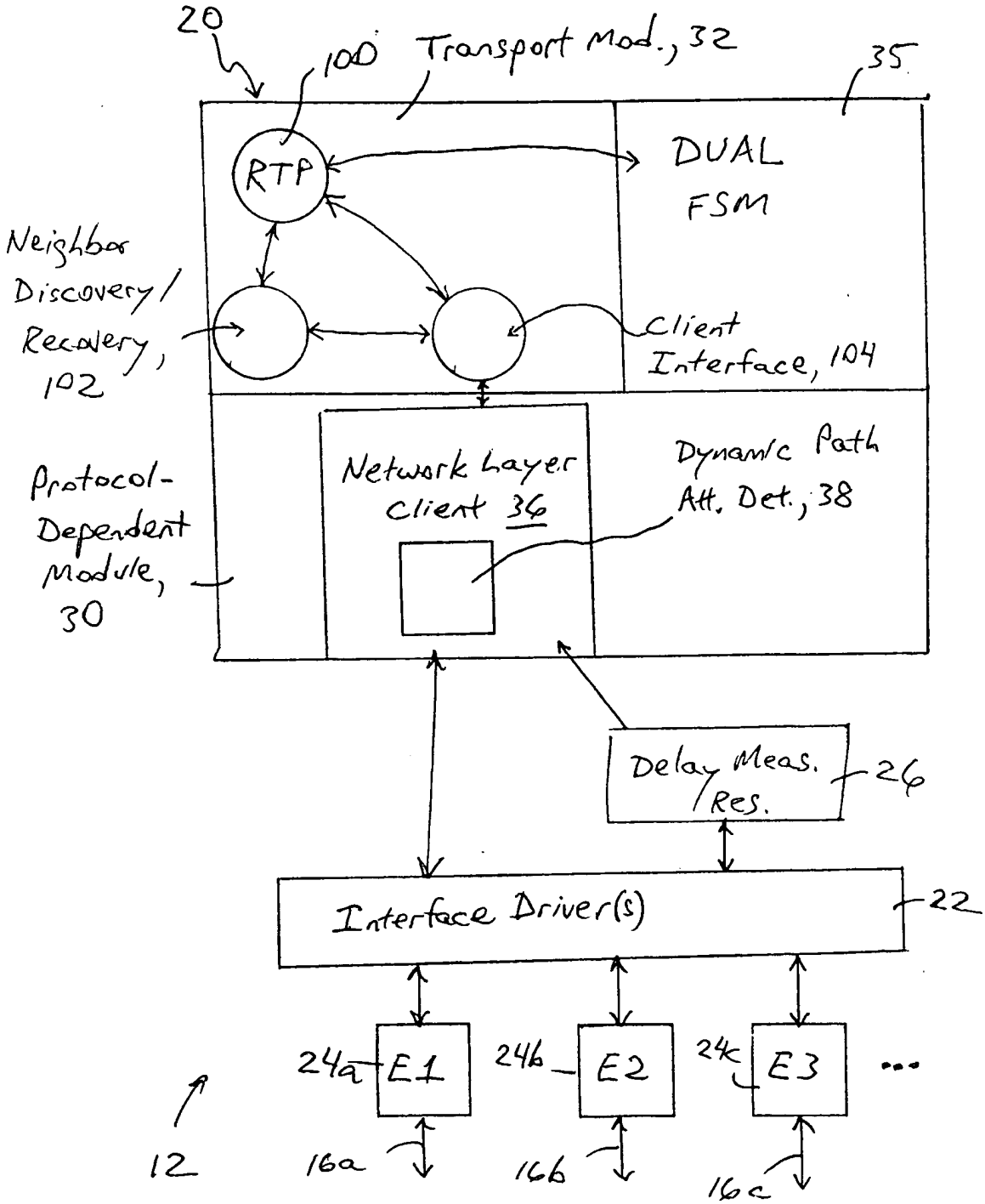
20
100
Transport Mod., 32
35
RTP
DUAL FSM
Neighbor Discovery/ Recovery, 102
Client Interface, 104
Protocol-Dependent Module, 30
Network Layer Client 36
Dynamic Path Att. Det., 38
Delay Meas. Res.
26
Interface Driver(s)
22
24a E1
24b E2
24c E3
12
16a
16b
16c

Figure 2

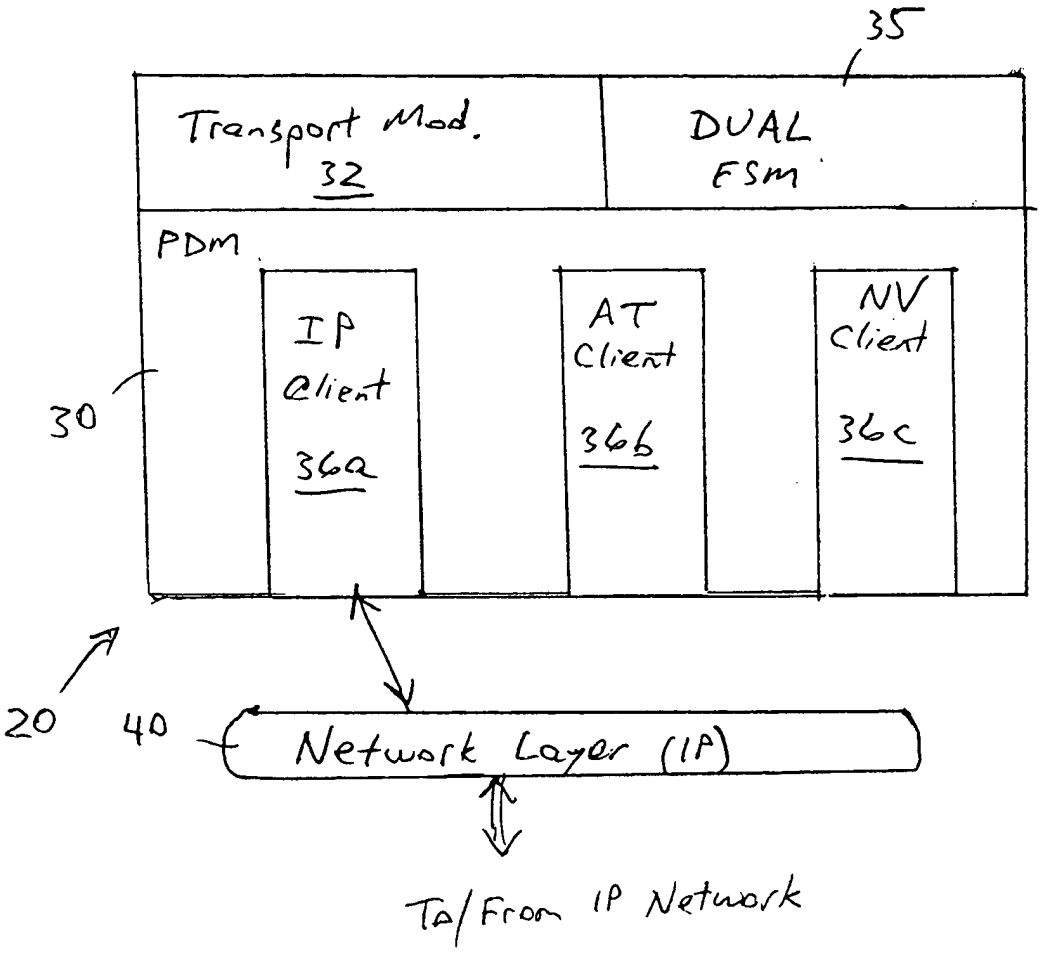
35
Transport Mod.
32
DUAL
FSM
PDM
IP
Client
36a
AT
Client
36b
NV
Client
36c
30
20
40
Network Layer (IP)
To/From IP Network

Figure 3

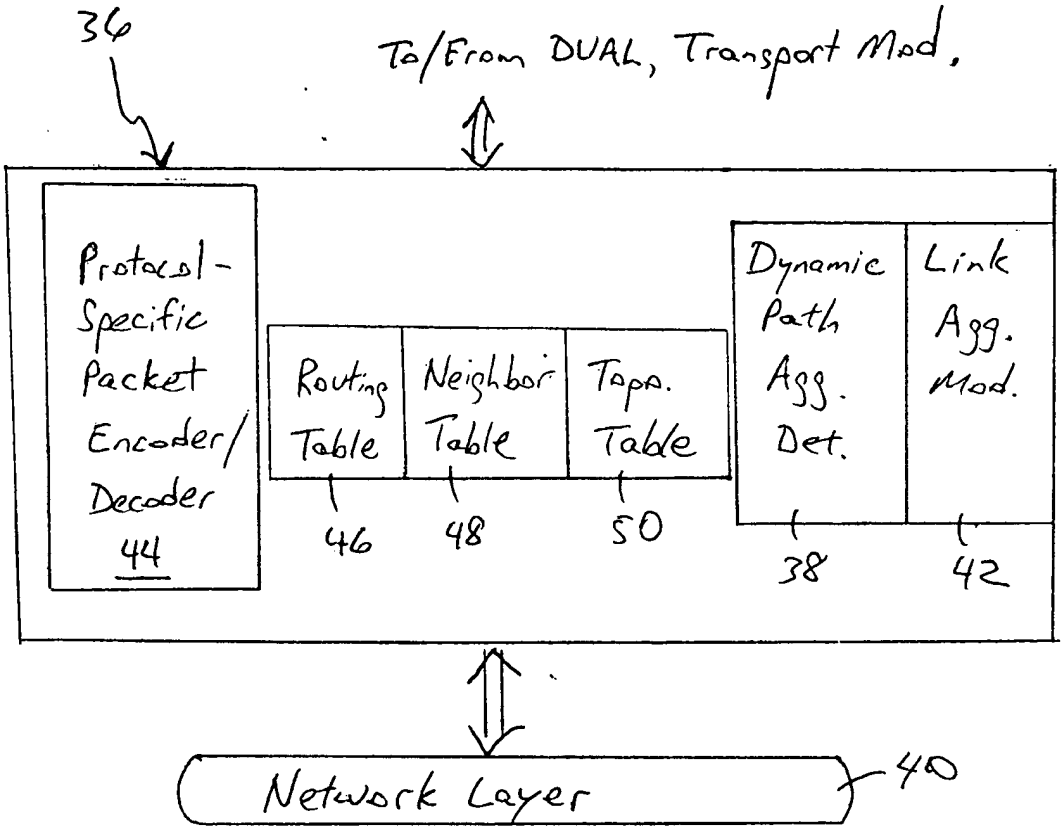

Figure 4

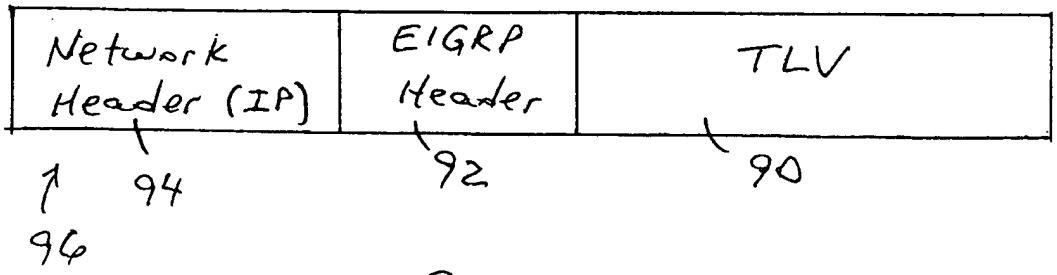

Figure 5

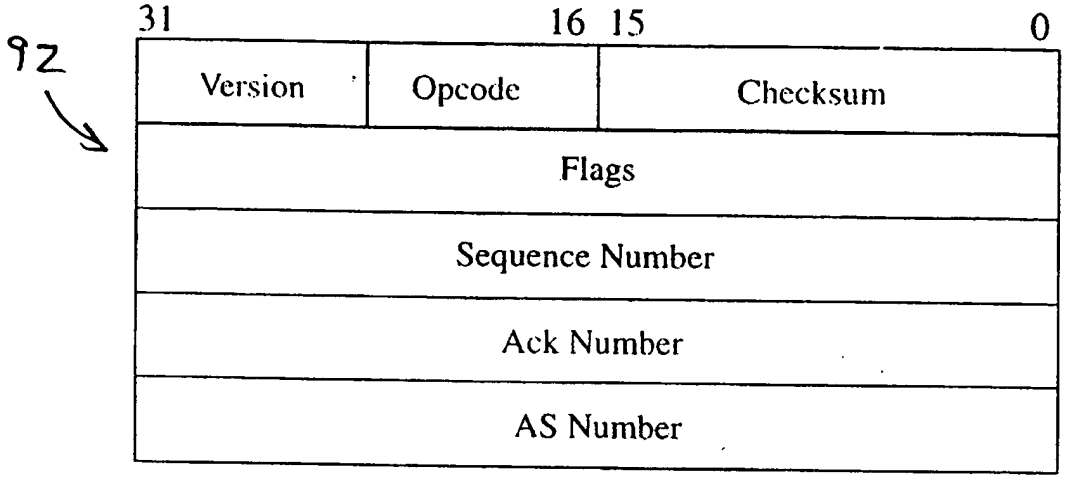

Figure 6A

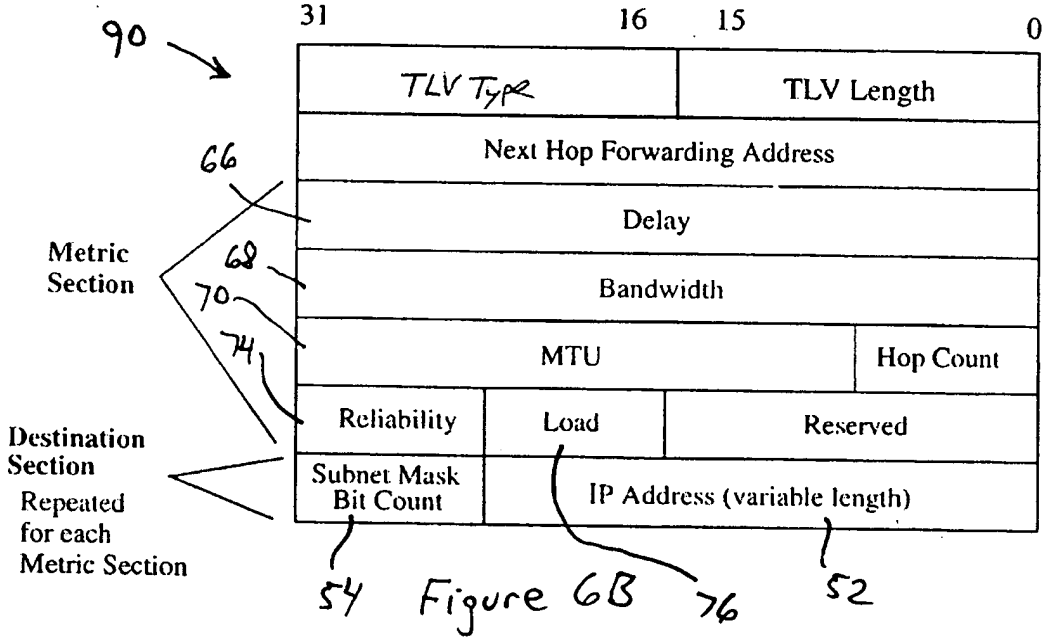

Figure 6B

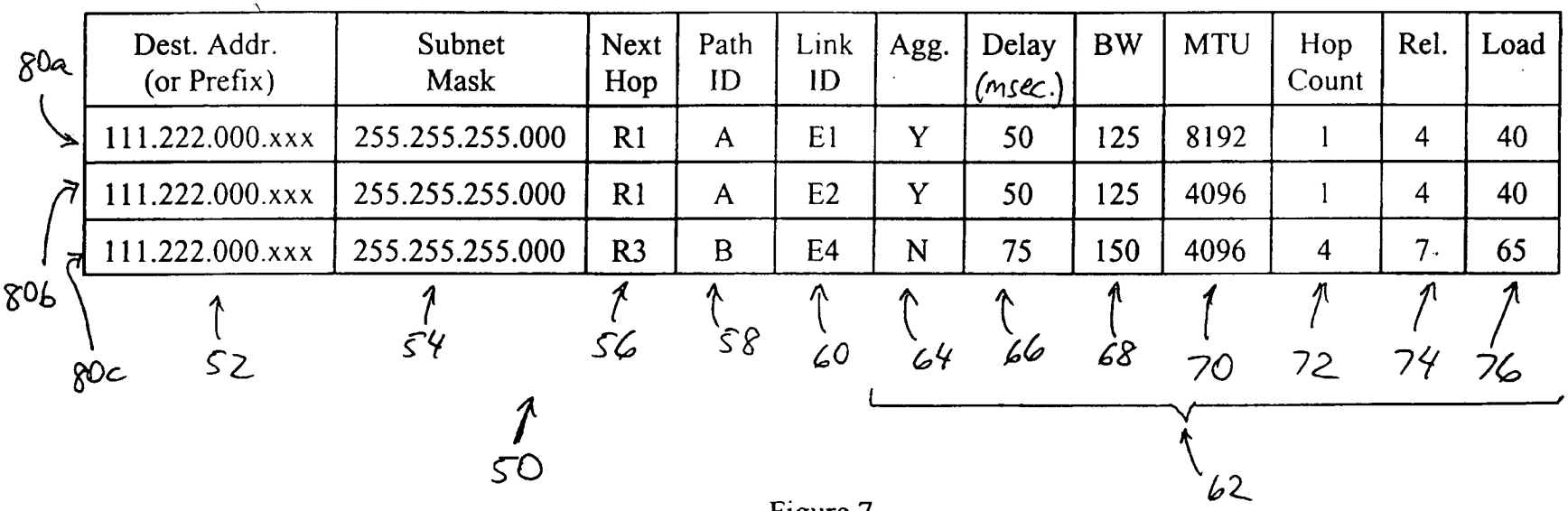
80a
80b
80c
Dest. Addr. (or Prefix)
Subnet Mask
Next Hop
Path ID
Link ID
Agg.
Delay (msec.)
BW
MTU
Hop Count
Rel.
Load
111.222.000.xxx
255.255.255.000
R1
A
E1
Y
50
125
8192
1
4
40
111.222.000.xxx
255.255.255.000
R1
A
E2
Y
50
125
4096
1
4
40
111.222.000.xxx
255.255.255.000
R3
B
E4
N
75
150
4096
4
7
65
52
54
56
58
60
64
66
68
70
72
74
76
50
62

Figure 7

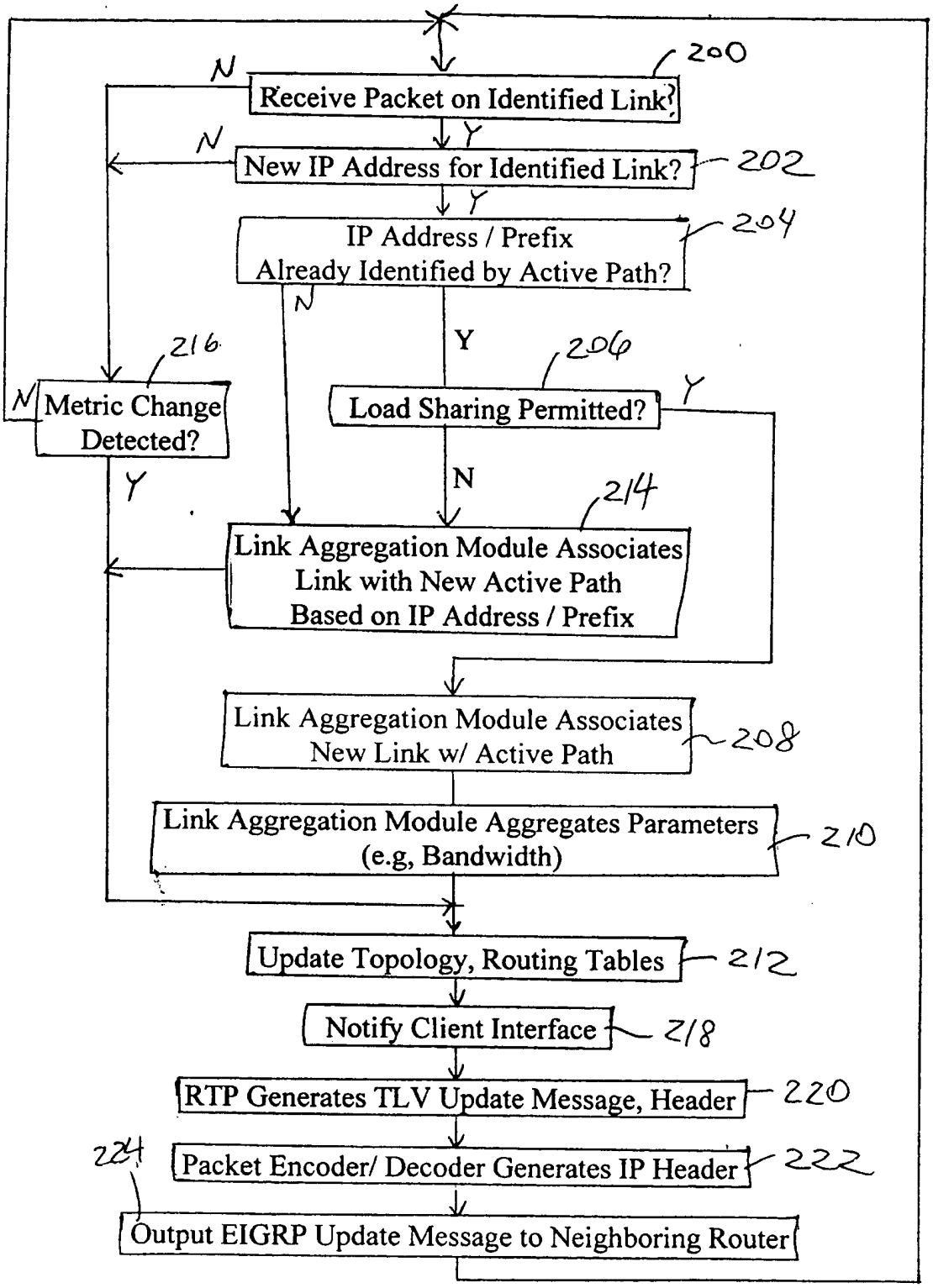
200
Receive Packet on Identified Link?
N
Y
202
New IP Address for Identified Link?
N
Y
204
IP Address / Prefix Already Identified by Active Path?
N
Y
206
Load Sharing Permitted?
Y
N
216
Metric Change Detected?
N
Y
214
Link Aggregation Module Associates Link with New Active Path Based on IP Address / Prefix
Link Aggregation Module Associates New Link w/ Active Path
208
Link Aggregation Module Aggregates Parameters (e.g, Bandwidth)
210
Update Topology, Routing Tables
212
Notify Client Interface
218
RTP Generates TLV Update Message, Header
220
224
Packet Encoder/ Decoder Generates IP Header
222
Output EIGRP Update Message to Neighboring Router

Figure 8